

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2013 Levee Inspection Results****Reclamation District No. 2104 Peters Pocket Tract**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Reclamation District No. 2104 Peters Pocket Tract

Waterway			Bank	Unit Miles
Unit No. 01 Cache Slough			Left	7.40
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/26/2013 - 04/26/2013			
DWR Inspector	Herman Phillips			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Spring 2013

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough							Left	7.40	04/26/2013 04/26/2013	Herman Phillips
UMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1				Flood Preparedness & Training	CR	M Ma	Inspector Comments: District need to have their staff flood fight trained.	°	°	12
								DWR ID: DWR_RD2104_01_s_2012_12		
2				Operations & Maintenance Manuals	CR	M Ma		°	°	14
								DWR ID: DWR_RD2104_01_f_2012_14		
3				Emergency Supplies & Equipment	CR	M Ma	Inspector Comments: District need to have flood fight supplies in storage.	°	°	40
								DWR ID: DWR_RD2104_01_s_2012_40		
4	0.00	0.00		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.308296 ° -121.758594 °	38.308296 ° -121.758594 °	42 Y
								DWR ID: DWR_RD2104_01_s_2012_42		
5	0.00	6.83		Crown Surface / Depressions / Rutting	CR	M Ma	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. Inspector Comments: RD 2104 has no all weather road. Due to wet levee conditions it was not able to be completely inspected during fall 2012 inspections. Conditions apeared to be the same as spring 2012, no maintenance was done.	°	°	34
								DWR ID: DWR_RD2104_01_f_2012_34		
6	0.02	0.96		Vegetation	CR	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.308008 ° -121.758610 °	38.299242 ° -121.749754 °	2
								DWR ID: DWR_RD2104_01_s_2012_2		
7	0.19	0.22		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.305912 ° -121.757520 °	38.305583 ° -121.757220 °	8
								DWR ID: DWR_RD2104_01_s_2012_8		
8	0.20	0.22		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.305837 ° -121.757463 °	38.305547 ° -121.757178 °	17
								DWR ID: DWR_RD2104_01_s_2012_17		
9	0.23	5.08		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.305498 ° -121.757151 °	38.318437 ° -121.744451 °	20
								DWR ID: DWR_RD2104_01_s_2012_20		
10	0.27	0.27		Crown Surface / Depressions / Rutting	CR	M Ma	C2 : Repair depressions or ruts in the crown or slope.	38.305022 ° -121.756692 °	38.305022 ° -121.756692 °	1
								DWR ID: DWR_RD2104_01_s_2012_1		
11	0.30	0.30		Trim / Thin Trees	LS	M Ma	T4 : Trim trees over roadway to at least 12 feet above ground level.	38.304657 ° -121.756570 °	38.304657 ° -121.756570 °	18
								DWR ID: DWR_RD2104_01_s_2012_18		
12	0.31	0.31		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.304662 ° -121.756520 °	38.304662 ° -121.756520 °	3
								DWR ID: DWR_RD2104_01_s_2012_3		

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

Reclamation District No. 2104 Peters Pocket Tract

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2104 Peters Pocket Tract

Waterway					Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 Cache Slough					Left	7.40	04/26/2013 04/26/2013		Herman Phillips
LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
27	1.50	1.56		Vegetation	WS U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.295706 ° -121.742451 °	38.295454 ° -121.741529 °	49 Y
							DWR ID: DWR_RD2104_01_s_2013_49		
28	1.50	1.52		Vegetation	WS U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.295712 ° -121.742446 °	38.295726 ° -121.742031 °	48 Y
							DWR ID: DWR_RD2104_01_s_2013_48		
29	1.52	3.14		Vegetation	CR M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.295738 ° -121.742033 °	38.297566 ° -121.730175 °	32
							DWR ID: DWR_RD2104_01_s_2012_32		
30	1.57	1.60		Vegetation	WS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.295263 ° -121.741415 °	38.294915 ° -121.741277 °	22
							DWR ID: DWR_RD2104_01_s_2012_22		
31	1.64	1.64		Encroachments	LS M Ma	MA : Material Inspector Comments: During the spring 2012 inspection, this encroachment hadn't been removed from the levee toe.	38.293747 ° -121.739126 °	38.293747 ° -121.739126 °	23 Y
							DWR ID: DWR_RD2104_01_s_2012_23		
32	1.69	2.60		Vegetation	CR U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This unit has not improved since the last inspection, nothing has been done. 2012.	38.294125 ° -121.740428 °	38.294290 ° -121.726933 °	15 Y
							DWR ID: DWR_RD2104_01_s_2012_15		
33	2.08	2.09		Erosion / Bank Caving	WS M Ma	E1 : Note and monitor erosion site.	38.292027 ° -121.734575 °	38.291947 ° -121.734453 °	16
							DWR ID: DWR_RD2104_01_s_2012_16		
34	2.32	3.14		Crown Surface / Depressions / Rutting	CR M Ma	C2 : Repair depressions or ruts in the crown or slope.	38.291940 ° -121.730687 °	38.297485 ° -121.730149 °	35
							DWR ID: DWR_RD2104_01_s_2012_35		
35	2.66	5.10		Vegetation	LS U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.292255 ° -121.725897 °	38.318462 ° -121.744535 °	47
							DWR ID: DWR_RD2104_01_s_2013_47		
36	2.79	2.80		Erosion / Bank Caving	LS M Ma	E1 : Note and monitor erosion site.	38.323780 ° -121.752410 °	38.323730 ° -121.752430 °	33
							DWR ID: DWR_RD2104_01_s_2012_33		
37	3.30	3.30		Erosion / Bank Caving	LS M Ma	E1 : Note and monitor erosion site.	38.299679 ° -121.730469 °	38.299679 ° -121.730469 °	46
							DWR ID: DWR_RD2104_01_s_2012_46		
38	3.37	5.08		Vegetation	CR M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.300572 ° -121.730410 °	38.318438 ° -121.744451 °	37
							DWR ID: DWR_RD2104_01_s_2012_37		
39	3.37	3.37		Trim / Thin Trees	WS M Ma	T1 : Trim trees to at least five feet above ground level.	38.300571 ° -121.730411 °	38.300571 ° -121.730411 °	36
							DWR ID: DWR_RD2104_01_s_2012_36		

*** Location**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2104 Peters Pocket Tract

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Cache Slough				Left	7.40	04/26/2013 04/26/2013	Herman Phillips	

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
40	4.58	4.65		Vegetation	WS Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This levee is overgrown and is in need of maintenance. There are weeds taller than 5-feet tall on the levee section.	38.313130 ° -121.739023 °	38.313872 ° -121.739830 °	25
DWR ID: DWR_RD2104_01_s_2012_25									
41	4.58	4.58		Vegetation	WS Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.313165 ° -121.739069 °	38.313165 ° -121.739069 °	52
DWR ID: DWR_RD2104_01_s_2013_52									
42	4.88	4.88		Erosion / Bank Caving	LS Ma	E1 : Note and monitor erosion site.	38.319559 ° -121.747085 °	38.319559 ° -121.747085 °	24 Y
DWR ID: DWR_RD2104_01_s_2012_24									
43	4.90	4.90		Erosion / Bank Caving	LS Ma	E1 : Note and monitor erosion site.	38.319812 ° -121.747434 °	38.319812 ° -121.747434 °	29
DWR ID: DWR_RD2104_01_s_2012_29									
44	5.03	5.03		Erosion / Bank Caving	LS Ma	E1 : Note and monitor erosion site.	38.321582 ° -121.748546 °	38.321582 ° -121.748546 °	41
DWR ID: DWR_RD2104_01_s_2012_41									
45	5.10	5.10		Erosion / Bank Caving	LS Ma	E1 : Note and monitor erosion site.	38.318462 ° -121.744535 °	38.318462 ° -121.744535 °	19
DWR ID: DWR_RD2104_01_s_2013_19									
46	5.15	5.15		Erosion / Bank Caving	LS Ma	E1 : Note and monitor erosion site.	38.318685 ° -121.745368 °	38.318685 ° -121.745368 °	53
DWR ID: DWR_RD2104_01_s_2013_53									
47	5.30	7.04		Crown Surface / Depressions / Rutting	CR Ma	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.	38.319819 ° -121.747403 °	38.308575 ° -121.758448 °	54
DWR ID: DWR_RD2104_01_s_2013_54									
48	5.46	5.54		Erosion / Bank Caving	LS Ma	E1 : Note and monitor erosion site.	38.321719 ° -121.748556 °	38.322666 ° -121.748448 °	55
DWR ID: DWR_RD2104_01_s_2013_55									
49	5.51	6.75		Crown Surface / Depressions / Rutting	CR Ma	C2 : Repair depressions or ruts in the crown or slope.	38.322340 ° -121.748377 °	38.316815 ° -121.758227 °	26
DWR ID: DWR_RD2104_01_s_2012_26									
50	5.72	7.03		Vegetation	LS Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: There hasn't been any work done on this levee since my last three inspections. 4-26-2013	38.323308 ° -121.751226 °	38.313087 ° -121.758175 °	56
DWR ID: DWR_RD2104_01_s_2013_56									
51	5.95	6.58		Vegetation	LS Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.325074 ° -121.754512 °	38.319323 ° -121.758251 °	39
DWR ID: DWR_RD2104_01_s_2012_39									
52	5.95	6.63		Vegetation	WS Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.325074 ° -121.754511 °	38.318590 ° -121.758209 °	38
DWR ID: DWR_RD2104_01_s_2012_38									

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2104 Peters Pocket Tract

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough				Left	7.40	04/26/2013 04/26/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
53	7.03	7.04		Vegetation	CR	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.313087 ° -121.758175 °	38.308575 ° -121.758448 °	57
								DWR ID: DWR_RD2104_01_s_2013_57		
54	7.03	7.04		Vegetation	WS	M	V9 : Keep the crown roadway free of vegetation.	38.313087 ° -121.758175 °	38.308575 ° -121.758448 °	58
								DWR ID: DWR_RD2104_01_s_2013_58		
55	7.03	7.04		Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.313087 ° -121.758175 °	38.308575 ° -121.758448 °	59
								DWR ID: DWR_RD2104_01_s_2013_59		

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2104 Peters Pocket Tract

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough	Left	7.40	04/26/2013 04/26/2013	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	
Item	Vegetation
RD 2104 Levee mile 0.02 looking downstream from landward slope. Photo taken 4-26-2013.	
phillips_s_20130426_377.JPG	



Levee Mile Report Line	24
Start Levee Mile	1.40
End Levee Mile	7.40
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting
Overgrown crown roadway. Photo taken 5-2-2012.	
phillips_s_20130325_344.jpg	



Levee Mile Report Line	27
Start Levee Mile	1.50
End Levee Mile	1.56
Location	Water Side
Category	
Item	Vegetation
RD 2104 levee mile 1.50 looking downstream waterside slope unsatisfactory growth on slope. Photo taken 4-26-2013.	
phillips_s_20130426_379.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2104 Peters Pocket Tract

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough	Left	7.40	04/26/2013 04/26/2013	Herman Phillips

Levee Mile Report Line	28
Start Levee Mile	1.50
End Levee Mile	1.52
Location	Water Side
Category	
Item	Vegetation

Looking back upstream from levee mile 1.52. Unsatisfactory growth has taken over levee section shoulder and slope. The levee can't be seen and is completely blocked. Photo taken 4-26-2013.

phillips_s_20130520_446.JPG



Levee Mile Report Line	31
Start Levee Mile	1.64
End Levee Mile	1.64
Location	Land Side
Category	
Item	Encroachments

Looking at the material within 10-foot of landward toe levee mile 1.64 RD 2104. Photo taken 4-14-2011

phillips_s_20130325_342.jpg



Levee Mile Report Line	32
Start Levee Mile	1.69
End Levee Mile	2.60
Location	Crown
Category	
Item	Vegetation

Looking back upstream from levee 2.60 back to levee mile 1.69. Landward slope and crown roadway is overgrown. Photo taken 4-26-2013.

phillips_s_20130520_447.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2104 Peters Pocket Tract

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough	Left	7.40	04/26/2013 04/26/2013	Herman Phillips

Levee Mile Report Line	42
Start Levee Mile	4.88
End Levee Mile	4.88
Location	Land Side
Category	
Item	Erosion / Bank Caving
Erosion noted at levee mile 4.88 made by livestock along landside slope. Photo taken 4-14-2011.	
phillips_s_20130325_343.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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